#### BUILDING Wilbur J. Cohen Building PREVENTIVE MAINTENANCE NUMBER REQUIREMENTS GSA 2105 DC0034ZZ PM GUID QUAN-NO TITY FREO. TTEMS AIR DRYER, REFRIGERANT/REGENERATIVE A-01 1,00 A/C UNITARY ROOF-TOP (HEAT-COOL) A-02 A-03 HUMIDITICATION SYSTEMS 1.00 A-04 AIR COMPRESSOR [() 2.00 A/C MACHINE, SPLIT SYSTEM A-05 38 SPECIAL PURPOSE TEN TONS AND UNDER 6.00 SPRCIAL PURPOSE OVER TENTONS 5 6,00 A/C MACHINE PACKAGE UNIT COMFORT COOLING A=06 TEN TONS AND UNDER 6.00 OVER TEN TONS .3 6,00 Λ-07 A/C MACHINE PACKAGE UNIT , SPECIAL PURPOSE 10 TONS AND UNDER 6.00 OVER 10 TONS 6.00 A/C CONDITIONING WINDOW UNIT 29 $80-\Delta$ 0.50 A-09 AIR COOLED CONDENSER 1.00 20 TONS AND UNDER OVER 20 TONS 1.00 A-10 HEAT PUMPS 5 TONS AND UNDER 8 1,00 6 TO 10 TONS 1.00OVER 10 TONS 1.00 AIR HANDLER UNIT A-11 UNDER 5000 CFM 1.00 5001-15,000 CFM 30 1.00 15,001-30,000 CFM 32 1.00 30,001 TO 50,000 CFM 1,00 2 50,001 TO 75,000 CFM 1.00 OVER 75,001 CFM 1.00 \*NOTE: ADD I HOUR IF UNIT HAS DIRECT EXPANSION 1.00 COOLING COIL. A-12 GLYCOL DRY COOLER COMFORT COOLING 20 TONS OR LESS 1,00 20 TONS - 40 TONS 1.00 EACH ADDITIONAL 10 TONS ADD,50 M/HRS 1.00SPECIAL PURPOSE 20 TONS OR LESS 1.00 20 TONS - 40 TONS 1.00 EACH ADDITIONAL 10 TONS ADD.50 M/HRS 1.00 A-13 A/C UNITS CEILING, WALL MOUNTED COMFORT COOLING 1.00 SPECIAL PURPOSE 19 6.00 Λ-14 AIR WASHER OR WET COIL SYSTEM AIR WASHER 20,000 CFM OR LESS 1,00 20,001 TO 50,000 CFM 1.00 50,001 TO 75,000 CFM 1.00 OVER 75,000 CFM ADD 1 M/HR FOR 1.00 EACH ADDITIONAL 25,000 CFM WET COILS 20,000 CFM OR LESS 1.00 20,001 TO 40,000 CFM 1.00 OVER 40,000 CFM ADD 1 M/HR FOR 1.00 EACH ADDITIONAL 20,000 CFM A-15 AFTER COOLER/ SEPERATOR 2.00 ASH CONVEYOR TUBE/ PNEUMATIC, HYDRAULIC/PER TUBE Λ-24 0.33 BATTERY CHARGER B-01 4.00 BOILER (COAL, OIL, GAS) B-02 120 MBTU'S OR LESS 1.00 120 TO 300 MBTU'S 1.00 300 TO 500 MBTU'S 1.00 500 TO 700 MBTU'S 1.00 700 TO 1,000 MBTU'S 1.00 OVER 1,000 MBTU'S 1.00 B-03 BURNER, GAS 1.00 B-04 BUNER, OIL 1.00

1	1			
B-05	BOILER, ELECTRIC		1,00	
B-06	BOILER, INSTRUMENTS/CONTROLS		1.00	
13-07	BOILER, INTERNAL INSPECTION			
	120 MBTUS OR LESS	5 Water & 1 Mar	1,00	
	301 TO 500 MBTU'S		1.00	
	501 TO 700 MBTU'S		1.00	
	701 TO L000 MRTU'S		1,00	
100 - 100 - 100 - 100	EACH ADDITIONAL LOSS MISTO'S ADD		1.00	
В∗08	BOILER, EXTERNAL INSPECTION			. The state of the second seco
	120 MBTU'S OR LESS	**************************************	1,00	
	121 TO 300 MBTU'S	Control of the Contro	1,00	
	301 TO 500 MBTU'S	PRODUCTO STOLEN	1,00	
ļ	501 TO 700 MBTU'S		1.00	Control of the Contro
	701 TO 1,000 MBTU'S		1.00	
	EACH ADDITIONAL LOOO MBTUS ADD	***************************************	1,00	
C-01	CLOCKS, CENTRAL SYSTEM	Set accesses the state accesses and accesses accesses and accesses and	1.00	
C-02	REMOTE AIR INTAKE DAMPERS	31	2.00	
C-03	COILS, PREHEAT, REHEAT, REMOTE LOCATIONS	9	1.00	
C-04	CENTRAL MINI-COMPUTER-HVAC	13	4.00	
C-05 C-06	AUTOMATIC MIXING BX-PNEUMATIC OR ELECTORITICS CENTRAL SYSTEM. HVAC PER DEVICE	62	1.00	
C-07	CONDENSATE OR VACUUM PUMP	491	1.00	and the second s
C-07	CENTRAL CONTROL PANEL PER DEVICE	10	1.00	
C-09	COOLING TOWER	1	1.00	
C(1)	UNDER 50 TONS		00.1	
***************************************	OVER 50 TO 500 TONS	S	1.00	*****
	OVER 501-1,000 TONS	4	1.00	Colonia Coloni
***************************************	EACH ADDITIONAL 500 TONS ADD 10,00 HRS	1	L. L.F.I.	
0.4450000000000000000000000000000000000	FOR EACH 500 TON INCREMENT	***************************************	1,00	100° 100° 100° 100° 100° 100° 100° 100°
C-10	COOLING TOWER, CLEANING	erikaden da akanimin ja ama maguman, da aang papage aga, aga	Manufacture 11	
	UNDER 50 TONS		2.00	
	OVER 50 TO 500 TONS	5	4,00	
	OVER 501-1,000 TONS	4	4.00	
	EACH ADDITIONAL 500 TONS ADD 10,00 HOURS			
	FOR EACH 500 TON INCREMENT		2,00	
C-11	EVAPORATIVE CONDENSER			
	50 TONS AND UNDER		1.00	
C 13	OVER 50 TONS	~	1.00	
C-13	CRANE, ELECTRICAL		1 4.00	
C-14 C-16	CHAIN HOIST AND TROLLEY COOLING POND, SUITLAND HTG/COOL PLT ONLY		1,00	
C-21	CARTS & SCOOTERS, ENGINE /BATTERY POWERED		1.00	
	ENGINE POWERED		1,00	
	BATTERY POWERED		1.00	
C-24	CONDENSING UNIT REF.		1,00	
	COMFORT COOLING			
	20 TONS AND UNDER	33	6.00	
	OVER 20 TONS		1.00	
	CRITICAL			
	20 TONS AND UNDER		6.00	
	OVER 20 TONS		6.00	
D-01	DOOR, POWER OPERATED	5	2.00	
D-02	DUMBWAITER		4.00	
D-03	DRAINS, ROOF, GUTTER, DOWNSPOUT (PER 100 FT)	130	1.00	
D-04	DOOR, HYDRAULIC, ELECTRIC, PNEUMATIC OPERATED	27	4.00	
D-05	DOOR, MAIN ENTRANCE	32	2.00	
D-06 D-07	DRAINS, AREAWAY, DRIVEWAY, STORM SEDIMENT BASIN	23	1.00	<del></del>
D-07	DISTILLER, WATER, LAB USE ONLY		2.00	
D-10	DOOR, HYDRAULIC, MANUAL OVERHEAD	13	1.00	
E-01	ELEVATOR, ELECTRIC OR HYDRAULIC 4 FL OR LESS	112	12,00	<del></del>
<u> </u>	FOR EACH ADDITIONAL FL ADD		12.00	<del></del>
E-02	ELEVATOR, ELECTRIC OR HYDRAULIC		4.00	
E-03	ELEVATOR, ELECTRIC OR HYDRAULIC		2.00	+
E-04	ELEVATOR, ELECTRIC OR HYDRAULIC 4 FL OR LESS		1.00	
	FOR EACH ADDITIONAL FL ADD		1.00	
<u> </u>			2.00	<del> </del>
E-05	ELEVATOR, ELECTRIC INSPECTION 4 FL OR LESS			
	FOR EACH ADDITIONAL FL ADD		2.00	
E-05 E-06	FOR EACH ADDITIONAL FL ADD ELEVATOR, ELECTRIC INSPECTION 4 FL OR LESS		2.00 1.00	
E-06	FOR EACH ADDITIONAL FL ADD  ELEVATOR, ELECTRIC INSPECTION 4 FL OR LESS  FOR EACH ADDITIONAL FL ADD			
	FOR EACH ADDITIONAL FL ADD  ELEVATOR, ELECTRIC INSPECTION 4 FL OR LESS  FOR EACH ADDITIONAL FL ADD  ELEVATOR, ELECTRIC INSPECTION 4 FL OR LESS		1.00	
E-06 E-07	FOR EACH ADDITIONAL FL ADD  ELEVATOR, ELECTRIC INSPECTION 4 FL OR LESS  FOR EACH ADDITIONAL FL ADD  ELEVATOR, ELECTRIC INSPECTION 4 FL OR LESS  FOR EACH ADDITIONAL FL ADD		1.00 1.00 0.20 0.20	
E-06	FOR EACH ADDITIONAL FL ADD  ELEVATOR, ELECTRIC INSPECTION 4 FL OR LESS  FOR EACH ADDITIONAL FL ADD  ELEVATOR, ELECTRIC INSPECTION 4 FL OR LESS  FOR EACH ADDITIONAL FL ADD  ELEVATOR, HYDRAULIC INSPECTION 4 FL OR LESS		1.00 1.00 0.20 0.20 2.00	
E-06 E-07	FOR EACH ADDITIONAL FL ADD  ELEVATOR, ELECTRIC INSPECTION 4 FL OR LESS  FOR EACH ADDITIONAL FL ADD  ELEVATOR, ELECTRIC INSPECTION 4 FL OR LESS  FOR EACH ADDITIONAL FL ADD		1.00 1.00 0.20 0.20	

ı	FOR EACH ADDITIONAL FL ADD	1	Lian	ŀ
12-10	ESCALATOR AND MOVING WALKS INSPECTION		1,00	
E-15	ESCALATOR		52.00	
E-16	ESCALATOR	The second secon	1.00	
15-17	EXPANSION JOINTS IN PIPING	14	1,00	
F-18	EMERGENCY LIGHTS (WET CELL.)		2,00	
E-19	EMERGENCY, LIGHTS CLOSED SYSTEM	90	2.00	
E-21	INDUCTION DISC OVERCURRENT RELAY OVERJUNDER VOLTAGE RELAY		0.50	
E-22	THERMAL OVERCURRENT RELAY		0.50	
E-23	INDUCTION DISC DIRECTIONAL OVERCURRENT RELAY		0.50	
E-24	POWER FACTOR /REVERSE CURRENT OR WATT TYPE RELAY		0.50	
E-25	GROUND FAULT OR TRANFORMER DIFFRILAY		0.50	***************************************
E-25A	BOLTED PRESSURE CONTACT SWITCH LOW VOLTAGE			
	GROUND FAULT OPERATED		0.50	
	STAND ALONE		0.33	
E-26 E-27	L/V MÖLDED CASE CIRCUIT BREAKER L/V POWER CIRCUIT BREAKER(OVER 100 AMPS)		0.33	
E-28	MOTOR STARTER 100 HP & UP		0.33	
E-29	1BGH VOLTAGE OIL CIRCUIT BREAKER		0.50	
12-30	SWITCH BOARD MEDIUM VOLTAGE PER CUBICLE	non-en-	0.33	
E-30A	SWITCH BOARD LOW VOLTAGE PER CURICLE		0.33	
E-31	NETWORK PROTECTORS	Martin Sci. Ann Silvin I. (1990) and a common and a committee of a committee	1.00	***************************************
E-32	H/V NETWORK/POWER TRANSFORMER (OIL FILL)	***************************************		
h	POWER TYPE		0.50	
17 5 6	NETWORK TYPE		0.50	
E-33	H/V NETWORK/POWER TRANSFORMER DRY		or and an experience of the second se	
	POWER TYPE NETWORK TYPE		0.50	
E-34	DISCONNECT ISOLATING SWITCH PER SWITICH		0.50	
E-34A	DISCONNECT/ISOLATING SW, L/V		V.20	
	FUSED/NON-FUSED, 200 AMPS UP			~
	200 AMPS TO 500 AMPS	***************************************	0.50	
	OVER 500 AMPS		0.50	
E-35	MOTOR CONTROL CENTER INCLUDES 1ST 5 STARTERS	A-1-1-1-1-1	manufacture automole folianess' (Nature antivid Ambit/ab il Çar le F	
	UNDER 100 HP	6	2.00	
C 3.6	ADD .30 FOR EACH ADDITIONAL STARTER	4	2.00	**************************************
E-36 E-37	AUTOMATIC TRANSFER SWITCH BUS DUCT, L/V AND CONNECTORS		1.00	
1., 2.1 /	ALUMINUM	. 7	va	
	PER DISCONNECT	and the second of the second o	1.00	
	PER 10 FT SECTION		1.00	
	COPPER			
	PER DISCONNECT		0.33	
	PER 10 FT SECTION		0.33	
E-37A	BUS DUCT, LAV AND CONNECTORS ENCLOSED			
	ALUMINUM PER DISCONNECT		1 00	
	PER 10 FT SECTION		1.00	
	OUTDOORS		1.(0)	
	PER DISCONNECT		1.00	
	PER 10 FT SECTION		1.00	
	COPPER			
	PER DISCONNECT		0.33	
E 20	PER 10 FT SECTION		0.33	
E-38 E-39	HIGH VOLTAGE AIR CIRCUIT BREAKER SUPERVISIOR SET		0.50	
13-37	1 TO 10 DEVICES		0.50	
	EACH ADDITIONAL DEVICE	+	0.50	
E-40	EMERGENCY GEN. GASOLINE, ELEC. OR NATURAL GAS		1.00	
E-41	EMERGENCY GENERATOR, ELECTRIC DIESEL ENGINES		4.00	
E-41A	EMERGENCY GENERATOR, ELECTRIC DIESEL ENGINES		1.00	
E-42	EMERGENCY GENERATOR ELECTRIC	1	52.00	
E-42A	EMERGENCY GENERATOR, ELECTRIC	1	12.00	
E-42B	EMERGENCY GENERATOR, ELECTRIC		4.00	
E-42C E-43	EMERGENCY GENERATOR, ELECTRIC LEAD ACID BATTERY (PER CELL)	+1	2.00 4.00	
E-43A	LEAD ACID BATTERY (PER CELL)  LEAD ACID BATTERY SEAL TYPE (GELL CELL)	<del> </del>	4.00	
E-44	NICKEL CADMIUM BATTERY	-	4.00	
E-44A	PRIMARY BATTERY(DRY CELL)	1	12.00	
	EMERGENCY GENERATOR STEAM TURBINE DRIVER		1.00	
E-45	EMERGENCE GENERATOR STEAM TORBINE DRIVER		7.00	
E-45A	EMERGENCY GENERATOR STEAM TURBINE DRIVER		12.00	
E-45A E-46	EMERGENCY GENERATOR STEAM TURBINE DRIVER BATTERY, UNINTERRUPTIBLE POWER SYSTEM		12,00	
E-45A E-46 E-46A	EMERGENCY GENERATOR STEAM TURBINE DRIVER BATTERY, UNINTERRUPTIBLE POWER SYSTEM BATTERY, UNINTERRUPTIBLE POWER SYSTEM		12,00 6.00 4.00	
E-45A E-46	EMERGENCY GENERATOR STEAM TURBINE DRIVER BATTERY, UNINTERRUPTIBLE POWER SYSTEM		12,00	

1	The grant was the first of the same and the	1	1	1
15-50	EMERGENCY PUMPS AND VENTILATORS		4.00	
13-51	MOTOR STARTERS, LESS THAN 100HP AND LESS THAN 600 VOLTS(FORMERLY E-35A)	98	1.00	
15-52	AUXILLARY PROTECTIVE RELAY		0.50	
E-36	DIMMER AND CONTROL, STAGE AND GENERAL LIGHTING		2.00	
E-57	LOW VOLTAGE DRY TYPE TRANSFORMER		0.33	
	(30 KVA & OP, 600 VOLTS OR LESS)			
16-58	POWER DISTRIBUTION SYSTEM		2.00	
E-59	UNINTERRUPITLE POWER SYSTEM		4.00	
F=01	ALARM CHECK VALVES & ACCESSORIES		12.00	**   **********************************
F-01A	ALARM CHECK VALVES & ACCESSORIES		4.00	
F-02	DRY-PIPE,DELUGE,& PREACTION VALVES	2	52.00	
F-02A	DRY-PIPE, DECUGE, & PREACTION VALVES	2 2	4.00	
F-02B	DRY-PIPE, DELUGE, & PREACTION VALVES	2	1.00	Sages,
15-03	FIRB POST INDICATOR VALVE		1.00	
F-04	FIRE CONTROL VALVE 4"+ INTER WATER DISTRIB SYS	29	12.00	
F-04A	FIRE CONTROL VALVE 4"+ INTER WATER DISTRIB SYS	29	4.00	
F-0413 F-05	FIRE CONTROL VALVE 4" INTER WATER DISTRIB SYS	29	1,00	
F-05A	FIRE PUMP DIESEL ENGINE DRIVEN FIRE PUMP DIESEL ENGINE DRIVEN		52,00	
F-05B	FIRE PUMP DIESEL ENGINE DRIVEN		12,00	
F-05C	FIRE PUMP DIESEL ENGINE DRIVEN OLD P-7		-1.00 1.00	
F-06	FIRE PUMP ELECTRIC MOTOR DRIVEN		52.00	
F-06A	FIRE PUMP ELECTRIC MOTOR DRIVEN		12.00	
F-06B	FIRE PUMP ELECTRIC MOTOR DRIVEN		1.00	-
1-08	FIRE HOSE(1 1/2 INCH RACKED IN BLDG.)		12,00	
F-08A	FIRE HOSE(1 1/2 INCH RACKED IN BLDG.)		1.00	
F-09	FIRE DEPARTMENT HOSE CONNECTIONS STANDPIPE	72	12.00	
F-09A	FIRE DEPARTMENT HOSE CONNECTIONS STANDPIPE	72	0.20	1
F-10	FIRE DEPART PUMP CONNECTION STANDPIPE/SPRINKLER	3	12.00	
F-II	FIRE DOORS-STAIRWAYS & EXITWAYS(SWINGING)	193	4,00	
F-12	FIRE DOORS-SELDING AND VERTICAL ROLLING		4.00	
F-13	FIRE SUPERVISORY SIGNALS-TESTING		4.00	** ******* ***************************
17-14	AUTOMATIC FIRE DETECTIONS-SMOKE DETECTORS		1.00	
F-14A	AUTOMATIC FIRE DETECTIONS-WATER FLOW ALARMS		4,00	
F-1413	AUTOMATIC FIRE DETECTIONS-HEAT DETECTORS		1.00	
F-14C	AUTO FIRE DETECTIONS-OPERATION TESTING PER ZONE		2.00	
17-15	FIRE ALARM CONTROL PANEL REMOTE ANNUNCIATORS		1.00	
F-15A	FIRE ALARM CONTROL PANEL SPECIAL SYSTEMS		1.00	
P-15B	CENTRAL STATION-TRANSMITTERS		1.00	
F-15C	CENT STATION RECIEVER & RETRANSMISSION EQUIP.		252.00	
F-16	FIRE ALARM SYSTEM RECORDER		52.00	
F-16A	FIRE ALARM SYSTEM EVENT PRINTER		4.00	
F-16B	FIRE ALARM SYSTEM AUDIO CONTROL PANEL		1.00	
F-16C	FIRE ALARM SYSTEM REMOTE AMPLIFIER		1.00	
F-16D	FIRE ALARM SYSTEM RECORDER		1,00	
17-17	MANUAL FIRE ALARM STATION CODED / UNCODED		1.00	<del> </del>
F-18 F-19	FIRE & SMOKE DAMPERS		0,50	
F-19A	FIRE HYDRANT(DRY OR WET BARREL)	<u> </u>	2.00	
F-20	FIRE HYDRANT FLOW TEST(DRY OR WET BARREL) SPRINKLER HEADS PER 1,000 SQ. FT.	483	0.20	<b></b>
1 20	SPRINKLER HEADS, EACH	483	1.00	<u> </u>
F-20A	ANTIFREEZE SOLUTION IN SPRINKLE AREAS PER 1,000		1.00	
F-21	WATER SPRAY, EXTINGUISHING SYSTEM		12.00	-
F-21A	WATER SPRAY, EXTINGUISHING SYSTEM		1.00	<del> </del>
F-22	FIRE EXTINGUISHER - STORED PRESSURE W/GUAGE		1.00	<del></del>
F-22A	FIRE EXTINGUISHER - NON STAINLESS STEEL - GAUGE	<del></del>	0.17	<del> </del>
F-22B	FIRE EXTINGUISHER - NON RECHARGEABLE		1.00	<del>                                     </del>
F-23	FIRE EXTINGUISHER - GAS CART/CYLINDER - NO GAUGE		1.00	†
F-24	FIRE EXTINGUISHER-INSPECTION	341	12.00	
F-25	FIRE EXTINGUISHER-HYDRO-TESTING			<del> </del>
	CARBON DIOXIDE (CO 2)		0.20	
	STORED PRESSURE, CARTRIDGE TYPE		0.08	1
F-26	FIRE EXTINGUISHER SYSTEM, CO2, HIGH PRESSURE		12.00	
	HALON, DRY CHEMICAL INSPECTION			
F-26A	FIRE EXTINGUISHER SYSTEM, CO2, HIGH PRESSURE		2.00	
	HALON, DRY CHEMICAL			
F-27	FAN, CENTRIFUGAL			
	UP TO 5,000 CFM	33	1.00	
	5,001-10,000 CFM	4	1.00	
	10,001-15,000 CFM	1	1.00	
	15,001-20,000 CFM	<u> </u>	1.00	<del> </del>
1: 20	.30 FOR EACH ADDITIONAL 5,000 CFM OVER 20,000 CFM	15	1.00	<del> </del>
F-28	FILTER, MOVABLE CURTAIN, OIL COATED		3.00	<del>                                     </del>
F-29 F-30	FILTER, ROLL TYPE, DISPOSABLE MEDIA FILTER, VISCOUS TYPE	49	4.00	<del> </del>
1.20	FIGURE, VIOCOUGITIE	<del>17</del>	4.00	4 <b>l</b>

1	I an usu as a surface state of the state of	1	1	
F-31	FILTER, ROLL TYPE, DISPOSABLE, MANUAL OR ELECTRIC		1.00	
F-32	FRITER, THROW AWAY	1381	4.00	
F-33	FILTER,FILECTROSTATIC		3.00	
11-36	FAN,PROPELLER,24 DIA OR LARGER	5	1.00	
F-38	LIGHTMING PROTECTION (PER DOWN CONDUCTOR)		1,00	
F-39	CAFETERIA EXHAUST ROOD SYS PER 10 FT DUCT WORK		2.00	
F-40	FILTER, BAG TYPE DEPTH			
	4 TO 6 INCHES		1.00	
	6 TO 12 INCHES		- 1.00	
a testa testa ana	12 TO 24 INCHES		1.00	
	24 TO 48 INCHES		1.00	
F~43	FILTER, CHARCOAL	×	3,00	
F-44	FOUNTAIN, MEMORAL OR DECORATIVE		2.00	
F-46	FIREPLACE:		12.00	
F-47	FIREPLACE		4,00	
F.:49	FILTER, CONTROL AIR	300	4,00	
G-01	FUEL OIL FILTER/STRAINER		2.00	
G-02	GREASE TRAP	1	12.00	1
G-03	GATE/FENCES SECURITY AND ACCESS		2.00	
16-01	HOT WATER CONVERTER(STEAM)		1.00	***************************************
H-02	HOT WATER HEATER-GAS	A RESTORAGE CONTRACTOR OF THE SECOND SECURIOR OF THE	1,00	
H-03	HOT WATER HEATER-ELECTRIC	6	1,00	
H-04	1101 WATER EXCHANGER		1.00	
11-05	TIOT WATER HEATER-STEAM		The same of the sa	
# ****************************	UPTO 1,000 GALLONS	2	(.00)	
	.50 M/H FOR EACH ADDITIONAL 1,000 GALLONS		1.00	
H-06	HOT AIR FURNACE		The second secon	-
	120 MBTUS OR LESS	PROTECTION OF THE PROPERTY OF THE PROPERTY OF THE	1.00	
	121 TO 300 MBTU'S	The Taxable of the Control of the Co	1.00	
	301 TO 500 MBTU'S		1.00	
	501 TO 700 MBTU'S		1.00	
and the control to the territory of the con-	701 TO 1.000 MBTU'S	taller - Mathematica (1970 Methy) (Machine Machine and Heavy	1.00	
	OVER 1,000 MBTUS	*****	1.00	
H-12	HEATER, FUEL OIL UNIT		1.00	ļ
11-14	HOIST, LIGHTING		A Charles the transfer transfer and the contract of the contra	
H-15	HOIST, ELECTRIC		1,00	-
			1.00	
1-01	INCINERATOR		1.00	
1-02	FAN COIL UNIT, UNDER WINDOW TYPE	. 7	1.00	J
1-03	INDUCTION UNIT, UNDER WINDOW TYPE	1347	1.00	
[-04	FAN COIL UNIT, CEILING HUNG	30	1.00	
1-05	FAN COIL UNIT CEILING HUNG/VAV BOX ELEC HEAT	38	1.00	<u> </u>
K-001	PLAY STRUCTURE-SURFACING, ACCESS, SIZE, STORAGE		6,00	
K-002	PLAY STRUCTURE-SLIDING EQUIPMENT		4.00	İ
K-003	PLAY STRUCTURE-SWING		6.00	
K-004	PLAY STRUCTURE-CLIMBIMG EQUIPMENT		6.00	
K-005	PLAY STRUCTURE-ROTATING, SPRING ROCKING, SEESAWS		6.00	
K-006	PLAY STRUCTURE-SAND & WATER PLAY EQUIPMENT		6.00	
K-007	PLAY STRUCTURE-SIGNS, TREES, PATHWAYS		2.00	
K-008	PLAY STRUCTURE-PLAYHOUSE GARDEEN		1.00	
K-009	PLAY STRUCTURE-CARRIAGES AND BUGGIES		1.00	I
K-100	KITCHEN EQUIPMENT-DISH/TRAY, BUSING CONVEYOR		4.00	
K-	The state of the s			
100A	KITCHEN EQUIPMENT-DISH/TRAY, BUSING CONVEYOR	1	2,00	
K-101	KITCHEN EQUIPMENT-DISHWASHING MACHINE, ELECTRIC		4.00	[ <u> </u>
K-		T		[ <del> </del>
101A	KITCHEN EQUIPMENT-DISHWASHING MACHINE, ELECTRIC		2.00	
K-		-		j
101B	KITCHEN EQUIPMENT-DISHWASHING MACHINE, STEAM FIRED		2.00	
K-102	KITCHEN EQUIPMENT-FRYER	1	4.00	
К-		-		[
102A	KITCHEN EQUIPMENT-FRYER	-	2.00	į l
K-103	KITCHEN EQUIPMENT-GRILL		4.00	
K-		<del>                                     </del>		<del></del>
103A	KITCHEN EQUIPMENT-GRILL		2.00	
K-104	KITCHEN EQUIPMENT-ICE CREAM & SHAKE MAKER		4.00	
K-	The second secon	1	1,00	
104A	KITCHEN EQUIPMENT-ICE CREAM & SHAKE MAKER		2.00	.
K-105	KITCHEN EQUIPMENT-ICE MAKER	-	4.00	
K-103	The second more red market	-	17,00	
105A	KITCHEN EQUIPMENT-ICE MAKER	1	2.00	
K-106	KITCHEN EQUIPMENT-KETTLE	1	4.00	
K-	THE PART OF THE PA		7.00	
106A	KITCHEN EQUIPMENT-KETILE		2.00	
	KITCHEN EQUIPMENT-NETTLE KITCHEN EQUIPMENT-OVEN	1	4.00	
-K-107 1			1 44 113 7	
K-107	KIN CHINA EQUI MENAS-OVEN	İ	7.00	
K-107 K- 107A	KITCHEN EQUIPMENT-OVEN		2.00	

K-108	KITCHEN EOURPMENT-RANGE	ĺ	4,00	l i
K.				
108A K-109	KITCHEN EQUIPMENT-RANGE KITCHEN EQUIPMENT-REFRIGERATOR/FREIZERS(WALK-IN	mana na an ann an an ann an an an an an a	2.00 4.00	
K-	and the state of t		THE CONTRACTOR OF THE CONTRACT	***************************************
109A K-110	KITCHEN EQUIPMENT-REFRIGERATOR/FREEZERS(WALK-IN KITCHEN EQUIPMENT-BOILER/GENERATORS,STEAM	1984 - 19	2.00 4.00	namental and the state of the s
K-	The second section of the section of the	PREPARENTE CALLE - NO MORANTA, MAY REST H. J.	State on these contracts as the contracts of the second of	
110A 1,-01	KITCHEN EQUIPMENT-BOILER/GENERATORS,STEAM LAWN MOWER & EDGER		1.00	
102	LOADING RAMP, ADJUSTABLE	1	4.00	
L-04	LIGHTING,SPECIAL FIXTURE LIGHTING,OUTSIDE	1141 54	1.00	
1,417	INCANDESCENT	-271	1.00	
	FLUORESCENT, MERCURY VAPOR & HLPRESS, SODIUM		0.20	
L-05 L-06	LAWN SPRINKLER, PER NOZZLE LOCOMOTIVE, DIESEL (DFC ONLY)		2.00	
L-07	LOCOMOTIVE, DIESEL ELECTRIC CONTROLS (DEC ONLY)		2,00	
L-08	SPOTLIGHTS, FIXED OR PORTABLE LIFT, ELECTRIC, STAGE SCREEN PORTABLE	2	4,00 1,00	
M-01	MANHOLE, ELECTRIC	order (Norman and American and	1.00	
M-02	MANHOLE, SEWER	6	4.00	
M-03	MOTORS PM 1 - 7.5 HP   MOTORS 7.5 - 50 HP	95	1.00	
	MOTORS OVER 50HP	100	1.00	
M- 03A	MOTORS PREDICTIVE MAINTENANCE OVER 10 HP			
13,173	MOTORS PREDICTIVE MAINTENANCE OVER 10 HP		1.00	
A. o.	MOTORS OVER 50 HP		1.00	
M-04	MANHOLE, WATER/STEAM/FUEL OIL HOT, CHIELED AND CONDENSER WATER		2.00	
M-05	MATERIAL HANDLING EQUIPMENT ELECTRIC LIFT TRUCK		6.00	
M- 05A	MATERIAL HANDLING EQUIPMENT ELECTRIC LIFT TRUCK		1.00	
M-06	MATERIAL HANDLING EQUIPMENT, ENGINE DRIVEN		2.00	
M-07 M-08	MATERIAL HANDLING EQUIPMENT MAGNET DRIVE	10	1.00	
M-09	MOBIL EQUIPMENT	12	4,00	
M-10	MOTOR CONTROLLER UNIT (600 VOLTS AND ABOVE)		1.00	
M-11 P-01	MOTOR, 600 VOLTS OR 200 HP AND ABOVE PAPER BALER		1.00	
P-02	PNEUMATIC TUBE SYSTEM		1.00	
P-04	PUMP,CENTRIFUGAL I- 24 HP 25 -100HP	-45 16	1.00	
	OVER 100HP		1.00	
P-06	PUMP, VACUUM		2.00	
R-01 R-02	RADIATOR, HEATING ROOF INSPECTION(PER 100 SQ FT) BUILT UP TYPE	25 1450	2,00	<del></del>
R-02A	ROOF INSPECTION(PER 100 SQ FT) SHINGLE TYPE		2.00	
R-03	REFRIG. MACHINE(ABSORPTION)UP TO 500 TONS  OVER 500 THRU 1000 TONS		1.00	
	OVER 1000 TONS		1.00	
R-04	CENTRAL PKG.CHILLED WATER UNIT COMFORT COOLING/DRINKING WATER UNIT			
ļ	25 TONS AND UNDER		1.00	
	25 TO 50 TONS		1.00	
	51 TO 75 TONS 76 TO 100 TONS	4	4.00	
	100 TO 150 TONS		1.00	
<u></u>	ADD 10 M/IIRS FOR EACH ADDITIONAL COMPRESSOR SPECIAL PURPOSE(COMPUTER COOLING)	2	4.00	
	25 TONS AND UNDER		3.00	
	25 TO 50 TONS		3.00	
	50 TO 75 TONS 75 TO 100 TONS		3.00	
	100 TO 150 TONS	,	3.00	
R-05	ADD 10 M/HRS FOR EACH ADDITIONAL COMPRESSOR REFRIGERATION MACHINE, CENTRIFUGAL		3.00	
ι√-0.2	UP TO 50 TONS		1.00	1
	51 THRU 250 TONS		1.00	
	251 THRU 500 TONS 501 THRU 750 TONS	2	1.00	<del>   </del>
	751 THRU 1000 TONS		1.00	
R-06	ADD 20 M/HRS FOR EACH ADDITIONAL 250 OVER 1,000 REFRIGERATION MACHINE, RECIPROCATING AND SCROLL		1.00	
	50 TONS AND UNDER		1.00	

1	4 88 45 1 168 92 1021		1		1
	50 TO 100 TONS 100 TO 150 FONS		1,00		
	ADD 4 M/JIRS FOR EACH ADDITIONAL SOT INCREMENT		1,00		-
R-07	REFRIGERATION MACHINE, SCREW		1,00	s. me	
	50 TONS AND UNDER		1.00	A CONTRACTOR OF THE PROPERTY OF	
	STTHRU 250 TONS		1.00	er total in each on the arrows are	
	251 THRU 500 TONS		1.00		
6.00	ADD 20 M/HRS FOR EACH ADDITIONAL 250 TON INCREMENTS		00.1		
R-08 R-09	CONTROL PANEL, CENTRAL REFRIGERATION UNIT RADITION, BASEBOARDS CONVECTORS		1.00		
1	(STEAM.HOT WATER OR ELECTRICIPER LINEAR FOOT		0.50		
R-10	RAILROAD TRACKAGE(PER 1000 FT)		1,00		
R-H	REFRIGERATION CONTROLS, CENTRAL SYSTEM		1,00	·	
R-12	RAILROAD TURNOUT		00.1	1	
R-13	NON-DESTRUCTIVE CHILLER TUBE ANALYSIS	19	0.33		
R-14	HIGH EFFICIENCY PURGE UNITS	5	1.00		
R-15 S-02	REFRIGERANT MONITOR SEWAGE EJECTOR, PNEUMATIC TANK TYPE EJECTORS	2 6	12,00		
S-04	SOOT BLOWER	6	1.00		
8-05	SWEEPER		2.00		
8-06	SEWAGE DECTOR, SUMPTYPE		1,00	.,	-
S-07	SUMP PUMP	10	1.00		
S-08	STRAINERS, Y TYPE	231	1.00		1
S-09	STRAINERS, BOUTED FLANGE (WATER/STEAM)				
	6 TO 14 BOLTS	16	1.00		
	15 TO 34 BOLTS		1.00		
	35 TO 58 BOLTS OVER 58 BOLTS		1.00		
S-10	SCRUBBING MACHINE (BATTERY/PROPANE)		1.00		
S-11	SNOW BLOWER		4.00		
S-14	DUAL STRAINER		1.00		ļ
S-15	BACKWASH STRAINER		1.00		
T-01	TANK, WATER (ALL TYPES)	24	0.33		
T-02	TANKAIR/REFRIGERANT/L.P.GAS	6	E,00		
T-03	TANK, FUEL OIL STORAGE		0.25		
T-04	UNDERGROUNG STORAGE TANK, UST		12,00		
T-05 T-06	TRASH COMPACTOR TANK, CHEMICAL		1.00		
T-08	Traps		00.1		ļ
	LOW PRESSURE	230	0,20		
	HIGH PRESSURE	35	1.00		
T-09	TURBINE, STEAM		1.00		
T-10	TELECOMMUNICATIONS		4.00		
T-12	+ CLUB INDIVE TO ANICATOCIONO				
U-01	FLUID DRIVE TRANSMISSIONS		1,00		L
	UNIT HEATER (STEAM AND HOT WATER)		1.00		
U-02	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED)		1.00 1.06		
Ú-02 V-01	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED) VACUUM CLEARNER, HEAVY DUTY, TANK, (ELECTRIC)	40	1.00 1.06 2.00		
U-02	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED)	40	1.00 1.00 2.00 12.00		
U-02 V-01 V-02	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED) VACUUM CLEARNER, HEAVY DUTY, TANK, (ELECTRIC) VALVE, SAFTEY VALVE, REGULATING VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE	40 27	1.00 1.06 2.00		
U-02 V-01 V-02 V-03 V-04 V-04A	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED) VACUUM CLEARNER, HEAVY DUTY, TANK, (ELECTRIC) VALVE, SAFTEY VALVE, REGULATING		1.00 1.00 2.00 12.00 1.00		
U-02 V-01 V-02 V-03 V-04 V-04A V-04B	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED) VACUUM CLEARNER, HEAVY DUTY, TANK, (ELECTRIC) VALVE, SAFTEY VALVE, REGULATING VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE		1.00 1.00 2.00 12.00 1.00 1.00		
U-02 V-01 V-02 V-03 V-04 V-04A	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED) VACUUM CLEARNER, HEAVY DUTY, TANK, (ELECTRIC) VALVE, SAFTEY VALVE, REGULATING VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, MANUALLY OPERATED	27	1.00 1.06 2.00 12.00 1.00 12.00 1.00 0.20		
U-02 V-01 V-02 V-03 V-04 V-04A V-04B	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED) VACUUM CLEARNER, HEAVY DUTY, TANK, (ELECTRIC) VALVE, SAFTEY VALVE, REGULATING VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, MANUALLY OPERATED MAIN LINE ONLY	27 345	1.00 1.00 2.00 12.00 1.00 12.00 1.00 0.20		
U-02 V-01 V-02 V-03 V-04 V-04A V-04B V-05	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED) VACUUM CLEARNER, HEAVY DUTY, TANK, (ELECTRIC) VALVE, SAFTEY VALVE, REGULATING VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, MANUALLY OPERATED MAIN LINE ONLY OTHER OVER 2 INCHES	345 91	1.00 1.00 2.00 12.00 1.00 1.00 1.00 0.20		
U-02 V-01 V-02 V-03 V-04 V-04A V-04B	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED) VACUUM CLEARNER, HEAVY DUTY, TANK, (ELECTRIC) VALVE, SAFTEY VALVE, REGULATING VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, MANUALLY OPERATED MAIN LINE ONLY	27 345	1.00 1.00 2.00 12.00 1.00 12.60 1.00 0.20 1.00 0.20		
U-02 V-01 V-02 V-03 V-04 V-04A V-04B V-05 V-06 V-07 V-08	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED) VACUUM CLEARNER, HEAVY DUTY, TANK, (ELECTRIC) VALVE, SAFTEY VALVE, REGULATING VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, MANUALLY OPERATED MAIN LINE ONLY OTHER OVER 2 INCHES VALVE, MOTOR OPERATED	345 91	1.00 1.00 2.00 12.00 1.00 1.00 1.00 0.20		
U-02 V-01 V-02 V-03 V-04 V-04A V-04B V-05 V-06 V-07	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED) VACUUM CLEARNER, HEAVY DUTY, TANK, (ELECTRIC) VALVE, SAFTEY VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, MANUALLY OPERATED MAIN LINE ONLY OTHER OVER 2 INCHES VALVE, MOTOR OPERATED VALVES. HYDR/PNEU/ELEC VALVE, CRITICAL CHECK BACKFLOW PREVENTOR	345 91 17	1.00 1.00 2.00 12.00 1.00 1.00 1.00 0.20 1.00 0.20		
U-02 V-01 V-02 V-03 V-04 V-04A V-04B V-05 V-06 V-07 V-08	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED) VACUUM CLEARNER, HEAVY DUTY, TANK, (ELECTRIC) VALVE, SAFTEY VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, MANUALLY OPERATED MAIN LINE ONLY OTHER OVER 2 INCHES VALVE, MOTOR OPERATED VALVES. HYDR/PNEU/ELEC VALVE, CRITICAL CHECK BACKFLOW PREVENTOR UP TO 1 1/2 INCHES	345 91 17	1.00 1.06 2.00 12.00 1.00 1.00 1.00 0.20 1.00 0.20 1.00 1.00 1.00		
U-02 V-01 V-02 V-03 V-04 V-04A V-04B V-05 V-06 V-07 V-08	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED) VACUUM CLEARNER, HEAVY DUTY, TANK, (ELECTRIC) VALVE, SAFTEY VALVE, REGULATING VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, MANUALLY OPERATED MAIN LINE ONLY OTHER OVER 2 INCHES VALVE, MOTOR OPERATED VALVE, MOTOR OPERATED VALVE, CRITICAL CHECK BACKFLOW PREVENTOR UP TO 1 1/2 INCHES 1 1/2 TO 2 INCHES	345 91 17 27	1.00 1.00 2.00 12.00 1.00 12.00 1.00 0.20 1.00 0.20 1.00 1.00 1.00 1.00		
U-02 V-01 V-02 V-03 V-04 V-04A V-04B V-05 V-06 V-07 V-08	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED) VACUUM CLEARNER, HEAVY DUTY, TANK, (ELECTRIC) VALVE, SAFTEY VALVE, REGULATING VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, MANUALLY OPERATED MAIN LINE ONLY OTHER OVER 2 INCHES VALVE, MOTOR OPERATED VALVE, MOTOR OPERATED VALVE, CRITICAL CHECK BACKFLOW PREVENTOR UP TO 1 1/2 INCHES 1 1/2 TO 2 INCHES 2 TO 3 INCHES	27 345 91 17 27	1.00 1.00 2.00 12.00 12.00 1.00 12.00 1.00 0.20 1.00 0.20 1.00 1.0		
U-02 V-01 V-02 V-03 V-04 V-04A V-04B V-05 V-06 V-07 V-08	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED) VACUUM CLEARNER, HEAVY DUTY, TANK, (ELECTRIC) VALVE, SAFTEY VALVE, REGULATING VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, MANUALLY OPERATED MAIN LINE ONLY OTHER OVER 2 INCHES VALVE, MOTOR OPERATED VALVE, MOTOR OPERATED VALVE, CRITICAL CHECK BACKFLOW PREVENTOR UP TO 1 1/2 INCHES 1 1/2 TO 2 INCHES 2 TO 3 INCHES 3 TO 4 INCHES	345 91 17 27	1.00 1.00 2.00 12.00 12.00 1.00 12.00 1.00 0.20 1.00 0.20 1.00 1.0		
U-02 V-01 V-02 V-03 V-04 V-04A V-04B V-05 V-06 V-07 V-08	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED) VACUUM CLEARNER, HEAVY DUTY, TANK, (ELECTRIC) VALVE, SAFTEY VALVE, REGULATING VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, HERE SYSTEM PRESSURE REGULATING TYPE VALVE, MANUALLY OPERATED MAIN LINE ONLY OTHER OVER 2 INCHES VALVE, MOTOR OPERATED VALVE, ROTOR OPERATED VALVE, CRITICAL CHECK BACKFLOW PREVENTOR UP TO 1 1/2 INCHES 1 1/2 TO 2 INCHES 2 TO 3 INCHES 3 TO 4 INCHES 4 TO 6 INCHES	27 345 91 17 27	1.00 1.00 2.00 12.00 12.00 1.00 12.00 1.00 0.20 1.00 0.20 1.00 1.0		
U-02 V-01 V-02 V-03 V-04 V-04A V-04B V-05 V-06 V-07 V-08	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED) VACUUM CLEARNER, HEAVY DUTY, TANK, (ELECTRIC) VALVE, SAFTEY VALVE, REGULATING VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, MANUALLY OPERATED MAIN LINE ONLY OTHER OVER 2 INCHES VALVE, MOTOR OPERATED VALVE, MOTOR OPERATED VALVE, CRITICAL CHECK BACKFLOW PREVENTOR UP TO 1 1/2 INCHES 1 1/2 TO 2 INCHES 2 TO 3 INCHES 3 TO 4 INCHES	27 345 91 17 27	1.00 1.00 2.00 12.00 12.00 1.00 12.00 1.00 0.20 1.00 0.20 1.00 1.0		
U-02 V-01 V-02 V-03 V-04 V-04A V-04B V-05 V-06 V-07 V-08	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED) VACUUM CLEARNER, HEAVY DUTY, TANK, (ELECTRIC) VALVE, SAFTEY VALVE, REGULATING VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, HER SYSTEM PRESSURE REGULATING TYPE VALVE, MANUALLY OPERATED MAIN LINE ONLY OTHER OVER 2 INCHES VALVE, MOTOR OPERATED VALVE, MOTOR OPERATED VALVE, CRITICAL CHECK BACKFLOW PREVENTOR UP TO 1 1/2 INCHES 1 1/2 TO 2 INCHES 2 TO 3 INCHES 3 TO 4 INCHES 4 TO 6 INCHES 6 TO 8 INCHES OVER 8 INCHES OVER 8 INCHES	27 345 91 17 27	1.00 1.00 2.00 12.00 12.00 1.00 12.00 1.00 0.20 1.00 0.20 1.00 1.0		
V-02 V-01 V-02 V-03 V-04 V-04A V-04B V-05 V-06 V-07 V-08 V-09 V-10 W-01	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED) VACUUM CLEARNER, HEAVY DUTY, TANK, (ELECTRIC) VALVE, SAFTEY VALVE, REGULATING VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, MANUALLY OPERATED MAIN LINE ONLY OTHER OVER 2 INCHES VALVE, MOTOR OPERATED VALVE, MOTOR OPERATED VALVE, CRITICAL CHECK BACKFLOW PREVENTOR UP TO 1 1/2 INCHES 1 1/2 TO 2 INCHES 2 TO 3 INCHES 3 TO 4 INCHES 4 TO 6 INCHES 4 TO 6 INCHES OVER 8 INCHES OVER 8 INCHES VACUUM SYSTEM, CENTRALIZED DRINKING WATER FILTER SYSTEM	27 345 91 17 27	1.00 1.00 1.00 1.00 12.00 1.00 12.00 1.00 0.20 1.00 0.20 1.00 1.0		
V-02 V-01 V-02 V-03 V-04 V-04A V-05 V-06 V-07 V-08 V-09 V-10 W-01 W-01	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED) VACUUM CLEARNER, HEAVY DUTY, TANK, (ELECTRIC) VALVE, SAFTEY VALVE, REGULATING VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, MANUALLY OPERATED MAIN LINE ONLY OTHER OVER 2 INCHES VALVE, MOTOR OPERATED VALVE, MOTOR OPERATED VALVE, CRITICAL CHECK BACKFLOW PREVENTOR UP TO 1 1/2 INCHES 1 1/2 TO 2 INCHES 2 TO 3 INCHES 3 TO 4 INCHES 4 TO 6 INCHES 6 TO 8 INCHES OVER 8 INCHES OVER 8 INCHES VACUUM SYSTEM, CENTRALIZED DRINKING WATER FILTER SYSTEM EYE WASH, EMERGENCY	27 345 91 17 27 7	1.00 1.00 1.00 1.00 1.00 12.00 1.00 12.00 1.00 0.20 1.00 1.0		
V-02 V-01 V-02 V-03 V-04 V-04A V-05 V-05 V-06 V-07 V-08 V-09 V-09 V-10 W-01 W-01 W-02 W-03	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED) VACUUM CLEARNER, HEAVY DUTY, TANK, (ELECTRIC) VALVE, SAFTEY VALVE, REGULATING VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, MANUALLY OPERATED MAIN LINE ONLY OTHER OVER 2 INCHES VALVE, MOTOR OPERATED VALVE, MOTOR OPERATED VALVE, CRITICAL CHECK BACKFLOW PREVENTOR UP TO 1 1/2 INCHES 1 1/2 TO 2 INCHES 2 TO 3 INCHES 3 TO 4 INCHES 4 TO 6 INCHES 6 TO 8 INCHES OVER 8 INCHES OVER 8 INCHES OVER 8 INCHES VACUUM SYSTEM, CENTRALIZED DRINKING WATER FILTER SYSTEM EYE WASH, EMERGENCY WATER SOFTENER	27 345 91 17 27 7	1.00 1.00 2.00 12.00 12.00 1.00 12.00 1.00 1		
V-02 V-01 V-02 V-03 V-04 V-04A V-04B V-05 V-06 V-07 V-08 V-09 V-10 W-01 W-01 W-02 W-03 W-04	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED) VACUUM CLEARNER, HEAVY DUTY, TANK, (ELECTRIC) VALVE, SAFTEY VALVE, REGULATING VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, MANUALLY OPERATED MAIN LINE ONLY OTHER OVER 2 INCHES VALVE, MOTOR OPERATED VALVE, MOTOR OPERATED VALVE, CRITICAL CHECK BACKFLOW PREVENTOR UP TO 1 1/2 INCHES 1 1/2 TO 2 INCHES 2 TO 3 INCHES 3 TO 4 INCHES 4 TO 6 INCHES 6 TO 8 INCHES OVER 8 INCHES OVER 8 INCHES VACUUM SYSTEM, CENTRALIZED DRINKING WATER FILTER SYSTEM EYE WASH, EMERGENCY	27 345 91 17 27 7	1.00 1.00 1.00 1.00 1.00 12.00 1.00 12.00 1.00 0.20 1.00 1.0		
V-02 V-01 V-02 V-03 V-04 V-04A V-04B V-05 V-06 V-07 V-08 V-09 V-10 W-01 W-01 W-02 W-03 W-04 W-04	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED) VACUUM CLEARNER, HEAVY DUTY, TANK, (ELECTRIC) VALVE, SAFTEY VALVE, REGULATING VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, HIRE SYSTEM PRESSURE REGULATING TYPE VALVE, MANUALLY OPERATED MAIN LINE ONLY OTHER OVER 2 INCHES VALVE, MOTOR OPERATED VALVE, MOTOR OPERATED VALVE, CRITICAL CHECK BACKFLOW PREVENTOR UP TO 1 1/2 INCHES 1 1/2 TO 2 INCHES 2 TO 3 INCHES 3 TO 4 INCHES 4 TO 6 INCHES 6 TO 8 INCHES OVER 8 INCHES VACUUM SYSTEM, CENTRALIZED DRINKING WATER FILTER SYSTEM EYE WASH, EMERGENCY WATER SOFTENER FILTER, WATER	27 345 91 17 27 7	1.00 1.00 2.00 12.00 12.00 12.00 1.00 12.00 1.00 0.20 1.00 1.0		
V-02 V-01 V-02 V-03 V-04 V-04A V-04B V-05 V-06 V-07 V-08 V-09 V-10 W-01 W-01 W-02 W-03 W-04	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED) VACUUM CLEARNER, HEAVY DUTY, TANK, (ELECTRIC) VALVE, SAFTEY VALVE, REGULATING VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, HERE SYSTEM PRESSURE REGULATING TYPE VALVE, MANUALLY OPERATED MAIN LINE ONLY OTHER OVER 2 INCHES VALVE, MOTOR OPERATED VALVE, MOTOR OPERATED VALVE, CRITICAL CHECK BACKFLOW PREVENTOR UP TO 1 1/2 INCHES 1 1/2 TO 2 INCHES 2 TO 3 INCHES 3 TO 4 INCHES 4 TO 6 INCHES 4 TO 6 INCHES 6 TO 8 INCHES OVER 8 INCHES OVER 8 INCHES VACUUM SYSTEM, CENTRALIZED DRINKING WATER FILTER SYSTEM EYE WASH, EMERGENCY WATER SOFTENER FILTER, WATER	27 345 91 17 27 7	1.00 1.00 2.00 12.00 12.00 1.00 12.00 1.00 1		
V-02 V-01 V-02 V-03 V-04 V-04A V-04A V-05 V-06 V-07 V-08 V-09 V-10 W-01 W-01 W-02 W-04 W-04 W-04 W-04	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED) VACUUM CLEARNER, HEAVY DUTY, TANK, (ELECTRIC) VALVE, SAFTEY VALVE, REGULATING VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, HIRE SYSTEM PRESSURE REGULATING TYPE VALVE, MANUALLY OPERATED MAIN LINE ONLY OTHER OVER 2 INCHES VALVE, MOTOR OPERATED VALVE, MOTOR OPERATED VALVE, CRITICAL CHECK BACKFLOW PREVENTOR UP TO 1 1/2 INCHES 1 1/2 TO 2 INCHES 2 TO 3 INCHES 3 TO 4 INCHES 4 TO 6 INCHES 6 TO 8 INCHES OVER 8 INCHES VACUUM SYSTEM, CENTRALIZED DRINKING WATER FILTER SYSTEM EYE WASH, EMERGENCY WATER SOFTENER FILTER, WATER	27 345 91 17 27 7	1.00 1.00 1.00 1.00 1.00 12.00 1.00 1.00		
V-02 V-01 V-02 V-03 V-04 V-04A V-04A V-05 V-06 V-07 V-08 V-09 V-10 W-01 W-01 W-02 W-03 W-04A W-05	UNIT HEATER (STEAM AND HOT WATER) UNIT HEATER (GAS AND OIL FIRED) VACUUM CLEARNER, HEAVY DUTY, TANK, (ELECTRIC) VALVE, SAFTEY VALVE, REGULATING VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, FIRE SYSTEM PRESSURE REGULATING TYPE VALVE, HANUALLY OPERATED MAIN LINE ONLY OTHER OVER 2 INCHES VALVE, MOTOR OPERATED VALVES, HYDR/PNEU/ELEC VALVE, CRITICAL CHECK BACKFLOW PREVENTOR UP TO 1 1/2 INCHES 1 1/2 TO 2 INCHES 2 TO 3 INCHES 3 TO 4 INCHES 4 TO 6 INCHES 6 TO 8 INCHES OVER 8 INCHES VACUUM SYSTEM, CENTRALIZED DRINKING WATER FILTER SYSTEM EYE WASH, EMERGENCY WATER SOFTENER FILTER, WATER FILTER, WATER, REPLACEABLE CARTRIDGE WINDOW WASHING SCAPFOLD, POWER OPERATED	27 345 91 17 27 7 1 2 5 2	1.00 1.00 2.00 12.00 12.00 1.00 12.00 1.00 1		

W 09	WATER TREATMENT FOR HEATING SYSTEMS		12,00	
X-31	KEY CARD SYSTEM		4,00	
X-22	FLAG POLE, ELECTRIC		1.00	
X-23	HEATER UNIT ELECTRIC	19	1,00	
X-24	DUCT HEATER, ELECTRIC		1.00	
X-25	HEATED AIR CURTAIN, ELECTRICAL		1.00	
	EACH ADDITIONAL FOOT ADD			
X-26	SOLAR HEATING SYSTEM		2.00	
X-26A	SOLAR HEATING SYSTEM (SOLAR COLLECTORS)		1,00	
X-29	CHEMICAL FEEDER	1	2.00	
X=32	PARKING ARM GATES	2	1.00	
X-37	EMERGENCY SHOWER	1	1.00	
X-39	SEPTIC TANK AND DRAIN FIELD		1.00	
X-41	TRACTOR, DIESEL, MONTHLY		12.00	
X-41A	TRACTOR, DIESEL, SEMIANNUAL		2.00	
X-4113	TRACTOR, DESEL, ANNUAL		1.00	
X-43	FUME HOOD	And the state of t	2.00	
X-44	CAGE WASHER	and the contract area and a second process of the contract and a second process of the contract and the cont	4.00	\$2.00 TO 300 CO 1841 TO
X-45	BIO SAFETY CABINETS	to an experience of the Seef Company of the Company	1.00	
X-46	TUNNEL WASHER		4,00	

Below the list of the non-schedule line items that are a part of this contract and are associated with the Mary E. Switzer building.

# NSL 1 Non-Schedule Line Item

# General Services Administration Preventive Maintenance Guide

Carbon Cell Frequency: Quarterly

Special Instructions:

- 1. Review the Operation Manual for instruction.
- 2. Caution Proper eye protection is required. Also a dust respirator must be worn to avoid breathing excessive carbon dust.

Check Points:

- 1. Close Water inlet B & C outlet and valve H to carbon cells and open drain valves F.
- 2. Remove cell cover and, after water has drained, remove clean out cover at bottom of cell.
- 3. Dump spent carbon out the clean-out port until cell is empty.
- 4. Replace clean out cover o-ring as necessary.
- 5. Replace cleanout cover and refill cell by pouring fresh carbon in through the top.
- 6. Fill carbon cell to about 15 inches down from top to allow room for expansion during backwash.
- 7. Replace cell cover and proceed with back washing.

Note: Backwashing is required for new carbon beds.

### Backwasl

- 1. Close upper valve B to carbon cell and open bypass valve C.
- 2. Open backwash valve A and let water run 10 to 15 minutes or until clear.
- 3. When backwash id complete, close backwash valve A and bypass valve C and open infet valve B and out let valve H
- 4. Filter is now in service.

Recommended Tools, Materials, and Equipment:

- 1. Rags.
- 3. Bucket

# NSL 2 Non-Schedule Line Item

# General Services Administration Preventive Maintenance Guide

Phosphate Filter Elements Frequency: Monthly

Special Instructions:

1. Review the Operation Manual for instruction and type of Phosphate crystals to be used. Reference the chart below for amount of phosphate,

Treatment to be used

Amount of water Treated per day	Amount of phosphate crystals	Amt of phosphate crystals
	Initial Charge	Monthly Recharge
100 Gals	8 oz.	2 oz.
125 Gals	10 oz.	2 ½ oz.
150 Gals	12 oz.	3 oz.
200 Gals	I lb.	4 oz,
400 Gals	2 lb.	8 oz.
600 Gals	3 lb.	12 oz.
800 Gals	4 lb.	16 oz.

### Check Points:

- 1. Close Water in & out valves.
- 2. Depress pressure relief button to release trapped air or water pressure.

- 3. Unscrew filter body from filter cover.
- 4. Rotate canister housing to loosen.
- 5. Slide canister down & off standpipe.
- 6. Fill with the appropriate amount of phosphate
- 7. Resinstall canister hand tight.
- 8. Open water out & in and valves.
- 9. Filter is now in-service.

10, Check for leaks,

Recommended Tools, Materials, and Equipment:

- 1. Rags.
- 3. Bucket

#### NSL 3 Non-Schedule Line Item

# General Services Administration Preventive Maintenance Guide

Effective Date: July, 2008

ESB Control, Frequency: Quarterly

Application:

This guide card applies to Emergency Stop Button (ESB) wiring and control interface back to the EMS/BAS. The building is equipped with an ESB system which when activated shuts down the building air supply. Special Instructions:

- 1. Obtain and review manufacturer's instructions and precautions.
- 2. Schedule PM using the facilities schedule to prevent disruption.
- 3. O&M staff is required become familiar with the ESB system.
- 4 Test complete building isolation system quarterly.
- Perform C-2 Remote Air Intake Dampers semi-annually is accordance with this GSA guide card.
- 6. Develop and check chart that will be used to document the testing.
- 7. The O&M contractor is to make recommendations as needed

to improve the system and or found deficiencies. This shall be submitted the COR of this contract,

Check Points: ESB unit;

- 1. Remove necessary access covers and panels.
- 2. Check supply voltage.
- 3. Tighten all connections to unit etc.
- 4. Clean interior of housing.
- 5. Reassemble unit.
- 6. Test operation of ESB.

Special Instruction for ESB shut down:

Test the building isolation system per the 2105 schedule.

Testing the system will require activation of each ESB.

Building isolation testing is to take place 15 minutes before the first fan shuts down at the end of any test day. All fans connected to the ESB system are to be in or placed in operation before ESB activation.

The ESB each remote location must be locked into the "in position" and must be pushed again to unlock after fans shut down.

- 3.7 A-11 and F-27 equipment will be shut down by the (ESB).
- 3.8 Remotely located dampers associated with the system will modulate closed after activation.

After equipment shuts down visually inspect each location to assure that all fans shut down and all dampers close.

3.10 When fans are released dampers will modulate open and fans will start.

Recommended Tools, Materials and Equipment:

- 1. Standard tools.
- 2. Cleaning supplies and materials. Consult the Material Safety Data Sheet (MSDS) for hazardous ingredients and proper Personal Protective Equipment (PPE).
- 3. Multi-meter.
- 4. Amp-meter
- 5. Lubricants. Consult the MSDS for hazardous ingredients and proper PPE.

# NSL 4 Non-Schedule Line Item

# General Services Administration Preventive Maintenance Guide

Trap Primer Frequency: Annual

Application:

This guide card applies to those trap primers that are related to air handler traps. Trap Primer is a electronic trap priming device. Primer functions at a pre-selected time, delivering potable water across an air gap funnel. (Caution: This unit is not a pressure feed trap priming system. The device must always be higher than the drains it serves. Trap supply lines should be sloped to discharge point. Special Instructions:

- 1. Carefully remove screws, cover, and check.
  - 2. Inspect for corrosion, loose or damaged wiring.
  - 3. Clean inside cabinet,
  - 4. Inspect the check valve for proper operation.
- 5. Depress test button and observe solenoid operation.
- 6. Following the manufacturer's procedures, test and calibrate the device.

7. Verify that there are no leaks,

Recommended Tools, Materials and Equipment:

1. Cleaning equipment and materials. 'Consult the Material Safety Data Sheets (MSDS) for hazardous ingredients and proper personal protective equipment (PPE).

#### NSL 5 Non-Schedule Line Item

#### General Services Administration Preventive Maintenance Guide

Effective Date: July, 2008

Dual Scal Filter Elements Frequency; Quarterly

Special Instructions:

 Review the Operation Manual for instruction and type of particulate cartridges to be used. Element would only be changed if DPS indicates or annually whichever comes first.

Check Points:

- Close Water in & out valves,
- 2. Depress pressure relief button to release trapped air or water pressure.
- 3. Unscrew filter body from filter cover.
- 4. Rotate filter cartridge (2) turns to loosen "DualSeaf" o-rings.
- 5. Slide filter eartridge down & off standpipe.
- 6. Slide new filter cartridge onto standpine.
- Screw Filter body hand fight onto filter cover.
- 8. Open water out & in and valves.
- 9. Filter is now in-service.

Fill if required:

- 1. With valve D Closed crack open inlet valve E.
- Fill up filter housing.
- 3. Press air release button until all air is removed
- 4. Check for leaks. Retighten if necessary or replace gasket,
- 5. Open valve D and Valve C to allow water into carbon cell.
- 6. With air vents G open, crack water inlet valve to allow earbon cell to fill with water.
- 7. Cheek for leaks

Recommended Tools, Materials, and Equipment:

- 1. Rags.
- 2. Bucket

#### NSL 6 Non-Schedule Line Item

# General Services Administration Preventive Maintenance Guide

Effective Date: July, 2008

UV lamps, Frequency: SemiAnnual

Germieidal

Special Instruction:

- 1. Use proper UV eye protection and plastic face shield.
- 2. Review manufacturer's instructions.
- Consult the Material Data Safety Sheet (MSDS) for proper personal protective equipment.

# Check points:

- 1. Inspect for structural defects.
- 2. Push door safety switch and observe light operation. Proper eye protection must be worn (See manufacturer's instructions.)
- 3. Replace any defective lamp with OEM replacements if necessary,
- 4. Clean exterior with dry cloth.
- 5. If unit has to be discarded, review the Material Safety Data Sheet (MSDS) for proper disposal of lamp.
- 6. Clean up work area,

Recommended Tools, Materials and Equipment:

- 1. Cleaning equipment and materials. Consult the Material Safety Data Sheet MSDS.
- 2. Volt Meter.

## NSL 7 Non-Schedule Line Item

### General Services Administration Preventive Maintenance Guide

Lead Miser Filter Frequency: Monthly

Special Instructions:

1. Review the Operation Manual for instruction and type of cartridge to be used. Water samples should be analyzed by a laboratory to determine if frequency can be changed.

# Check Points:

- 1. Close Water in and out water valves.
- 2. Depress pressure relief button to release trapped air or water pressure.
- 3. Unscrew filter body from filter cover.
- 4. Rotate filter cartridge to remove,
- 5. Slide filter cartridge down & off standpipe.
- 6. Slide new filter cartridge onto standpipe.
- 7. Screw Filter body hand tight onto filter cover.
- 8. Open water out and water in and valves.
- 9. Filter is now in-service.
- 10. Check for leaks.

Recommended Tools, Materials, and Equipment:

- 1. Rags.
- 2. Bucket

### NSL 8 Non-Schedule Line Item

#### General Services Administration Preventive Maintenance Guide

Effective Date: July, 2008

UV lamps on Chiller Frequency: Monthly

Germieidal

Special Instruction:

- Use proper UV eye protection and plastic face shield.
- 2. Review manufacturer's instructions.
- 3. Consult the Material Data Safety Sheet (MSDS) for proper personal protective equipment.

Check points:

- 1. Inspect for structural defects.
- Pull lamp partially from its sleeve to inspection or operation. Proper eye protection must be worn (See manufacturer's instructions.)
- 3. Inspect or replace protective sleeve if necessary.
- 3. Replace any defective lamp with OEM replacements if necessary.
- 4. Clean exterior with dry cloth.
- 5. If unit has to be discarded, review the Material Safety Data Sheet (MSDS) for proper disposal of lamp.
- 6. Clean up work area.

Recommended Tools, Materials and Equipment:

- 1. Cleaning equipment and materials. Consult the Material Safety Data Sheet MSDS,
- 2. Volt Meter.

#### NSL9 Non-Schedule Line Item

### General Services Administration Preventive Maintenance Guide

Effective Date: July, 2008

Remove dirt, debris, trash from exterior window moats Frequency: Monthly

Special Instruction:

- 1. Provide OSHA approved access to locations where work is to be performed,
- 2. Review manufacturer's instructions of tools being used.
- 3. Implement sight specific safety procedures and adherence to the safety plan.

Location and size:

East Side moat	167 LF x 7 LF = 1,169 SF
South side moat on the East side	83 LF x 7 LF = 581 SF
South side moat on the West side	183 LF x 7 LF = 1,281 SF
West side moat	$167 LF \times 7 LF = 1,169 SF$
South side damper outlet box 1	$5 LF \times 7 SF = 35 SF$
South side damper outlet box 2	$5 LF \times 7 SF \approx 35 SF$
South side damper outlet box 3	$5 LF \times 7 SF = 35 SF$
North side damper outlet box 1	$5 LF \times 7 SF = 35 SF$
North side damper outlet box 2	$5 LF \times 7 SF = 35 SF$
North side damper outlet box 3	$5 LF \times 7 SF = 35 SF$

# Check points and required actions:

Remove all trash, leaves, dirt, miscellaneous objects, and other debris from each moat.

Bag debris and transport in to the GSA trash receptacle located on the loading dock.

Test water flow at each drain.

Crown traps over each drain and topped with rubber grated material is the approved drain guard.

Flat type drain covers are to be removed and a crown system maintained.

GSA will provide all crown traps for installation by the contractor.

Clean out moat drain trap.

## NSL 10 Non-Schedule Line Item

### General Services Administration Preventive Maintenance Guide

Effective Date: July, 2008

Tin Roof Drainage System Cleaning Frequency: Monthly

Remove dirt, debris, trash from exterior tin roof and tin roof drainage system.

Special Instruction:

- 1. Provide OSHA approved access to locations where work is to be performed.
- 2. Review manufacturer's instructions of tools being used.
- 3. Implement sight specific safety procedures and adherence to the safety plan.

# Location and size:

- 1. Roof area between wings 1 and 2 110 LF by 3 LF x 2 Sides =
- 2. Roof area between wings 2 and 3
- 3. Roof area between wings 3 and 4
- 4. Roof area between wings 4 and 5
- 5. Roof area between wings 5 and 6

Check points and required actions:

Remove all trash, leaves, dirt, miscellaneous objects, and other debris from each moat.

Bag debris and transport in to the GSA trash receptacle located on the loading dock.

Test water flow at each drain.

Crown traps are to be maintained over each drain.

Flat type drain covers are to be removed and a crown system maintained.

GSA will provide all crown traps for installation by the contractor.

Clean out moat drain trap,

Provide access for inspection.

#### NSI, 11 Non-Schedule Line Item

#### General Services Administration Preventive Maintenance Guide

Effective Date: July, 2008

Tin Roof Drainage System Cleaning Frequency: Monthly

Remove dirt, debris, trash from exterior fin roof and tin roof drainage system. Special Instruction:

- 1. Provide OSHA approved access to locations where work is to be performed.
- 2. Review manufacturer's instructions of tools being used.
- 3. Implement sight specific safety procedures and adherence to the safety plan.

#### Location and size:

- 1. Roof area between wings 1 and 2 110 LF by 3 LF x 2 Sides ≈ 33 SF
- 2. Roof area between wings 2 and 3 110 LF by 3 LF x 2 Sides = 33 SF
- 3. Roof area between wings 3 and 4 110 LF by 3 LF x 2 Sides = 33 SF
- 4. Roof area between wings 4 and 5 H0 LF by 3 LF x 2 Sides = 33 SF
- 5. Roof area between wings 5 and 6 110 LF by 3 LF x 2 Sides = 33 SF

Check points and required actions:

Remove all trash, leaves, dirt, miscellaneous objects, and other debris from each moat.

Bag debris and transport in to the GSA trash receptacle located on the loading dock.

Test water flow at each drain.

Crown traps are to be maintained over each drain.

Plat type drain covers are to be removed and a crown system maintained.

GSA will provide all crown traps for installation by the contractor.

Clean out most drain trap.

### NSL 12 Non-Schedule Line Item

### General Services Administration Preventive Maintenance Guide

Effective Date: July, 2008

Spirax Sarco Pivotrol Condensate Pump Frequency: Annual

Special Instructions:

Schedule outage with personnel.

Obtain and review manufacturer's instructions for maintenance and troubleshooting of the units.

Deenergize, lock out and tag circuit.

Review the Standard Operating Procedures for "Controlling Hazardous Energy Sources".

- 5. Use insulated safety gloves and tools.
- 6. Review manufacturer's instruction and ASME

Refer to O&M manual for installation and product submissions.

Create a GSA approved check chart for PM procedure at contract start.

Submit check chart as part of the yearly PM.

# Check points:

- 1. Open y type strainer and clean screen on steam line that pressurizes the tank,
- 2. Test steam traps and verify proper operation on steam line that pressurizes the tank.
- 3. Test check valves for proper operation.
- 4. Clean exterior with dry cloth.
- 5. Clean up work area and fix any leaks resulting from the checkpoints.
- 6. Perform maintenance checkpoints as outlined by the manufacturer.

# NSL 13 Non-Schedule line Item

Glycol Feeder systems Frequency: Semiannual

Application:

This guide card applies to tank type glycol chemical feeders with control panel, pump, strainer, pressure switches and gauges.

Special Instructions:

Review the EPA and associated MSDS for proper handling and use of Glycol to be used.

Consult the motor manufacture for motor maintenance instructions.

# Check Points:

- 1. Inspect Bronze rotary gear pump. Remove the cover screws to pull cover.
- 2. Inspect seals and bearing area of pump.
- 3. Check pump and driver are aligned.
- 4. Check reservoir glycol level of feeder storage tank and fill with proper percentage mixture, if necessary, (refer to operation manuals for glycol mixture)
- 5. Check for leaks around fitting and connections.
- 6. Inspection gauge and replace if necessary.

- 7. Check operation of pressure relief valve if equipped.
- 8. Perform function cheek of Hand-off-auto (HOA) and inspected for damage provide inspection report.
- 9. Wipe and clean exterior of equipment.
- 10. Locate and repair system for leaks.

Recommended Tools, Materials, and Equipment:

- 1. Standard tools basic
- 2. Goggles
- Cleaning materials. Consult the Material Safety Data Sheets (MSDS) for hazardous ingredients and proper personal protective equipment (PPE).

# NSL 14 Non-Schedule Line Hem

# General Services Administration Preventive Maintenance Guide

Effective Date: July, 2008

Heat recovery Unit Frequency: Annual

Special Instructions:

- 1. Schedule shutdown with operating personnel, as needed.
- 2. Review manufacturer's instructions.
- 3. Review the Standard Operating Procedure for "Controlling Hazardous Energy Sources,"
- 4. Deenergize, lock out and tag electrical circuit(s).
- 5. Use OSHA approved method to gain access above ceiling.

Check points:

- 6 Clean coils by brushing, blowing, vacuuming, or pressure washing.
- 7. Check coils for leaking, tightness of fittings.
- 8. Use fin comb to straighten coil fins.
- 9. Flush and clean drain pan, remove all debris and prepare metal and paint if necessary. Consult the Material Safety Data Sheet (MSDS) to ensure that the paint fead fevel is 0.06% or less. Hose down coils and drain pans and wash with an appropriate EPA approved solution approved solution.
- 10. Vacuum interior of unit.
- Clean up work area.
- 12. Verify a heat recovery system components are operating properly.

Recommended Tools, Materials, and Equipment:

- 1. Standard tools
- 2. Vacuum.
- 3. Fin comb
- 4. Cleaning tools and materials. Consult the MSDS for hazardous ingredients and proper personal protective equipment (PPE).
- 5. Safety goggles.
- 6. Gloves.

New Preventative Maintenance Guide Worksheet
General Services Administration Preventative Maintenance Guide

GSA/	NCR WPVE
PM G	uide Number: (Determined and entered by WPYE) NSL 15
	ID Pointer Number: (Determined and entered by WPYE)
Effect	ive Date: (Determined and entered by WPYE)
Equip	ment/Guide Name;
	natic Self-Cleaning Filters (ACF)
	ency:
Semia	
Appli	
This g purific	uide card applies to the Automatic Self-Cleaning Filters (ACF) commonly associated with water ation.
	are also commonly associated with rainwater or greywater reclamation systems as well as
compo	ments in ozone filtration systems.
204 PT 3 - PT - T	
No.	Special Instructions
.1	Be sure all power is disconnected from the system and water system is de-pressurized when performing maintenance
2	Schedule this maintenance in conjunction with the maintenance on associated ozone recirculation system and rainwater reuse system.
3	Refer to system manual for exact Preventative Maintenance Procedures.
4	If improperly used, pressure vessels may cause serious injury or death. Always wear proper protective clothing for the liquid being filtered. Check your MSDS sheets for instructions or suggestions.
5	If the filter continuously purges, the filter screen may be clogged and will not "self-clean".
No.	Check Points
1	Inspect the ACF filter screens (clean as necessary).
2	Be sure power is off and that the system pressure has been relieved, (see output pressure gages)
3	Using a '4" socket, socket extension and ratchet handle, remove the three bolts holding the filter head onto the body.

4	Remove the hoses from the filter head,
5	Carefully remove the filter head from the filter hody.
6	Remove the screen from the inside of the body and wash it out with appropriate detergent and heavy water spray.
7	Inspect the inside of the filter tank, clean if necessary, to be free of dirt and grease.
8	When all is clean, replace the filter screen into the filter body.
9	Carefully replace the filter head and tighten the bolts in sequence so that the O-ring seal is evenly loaded.
10	Replace the hoses on the filter head,
11	Replace and tighten the three bolts holding the filter head to the filter body.
12	Reconnect water and electric power to the unit and initiate a self-clean cycle to insure proper operation,
13	Inspect the two basket strainers within the storage tank, Remove screens and clean as necessary.
Reco	mnicoded Tools, Materials, and Equipment
Esth	nited Time to Perform:

New Preventative Maintenance Guide Worksheet

	Freemance Mannellance Unite Worksheet
CRAI	rral Services Administration Preventative Maintenance Guide /NCR ~ WPYE
- itymenuseness	Guide Number; (Determined and entered by WPYE) NSL 16
	is ID Pointer Number: (Determined and entered by WPYE)
METERS WARRANT	tive Date: (Determined and entered by WPYE) 12/22/2011
	pment/Guide Name:
HSB	Bug Filter Vessel
	uency:
As No	
	leation .
	guide card applies to the HSB Bag Filter commonly associated with water filtration in rainwater or vater reclamation systems.
	Bag Filter Vesset houses a 25 Micron Bag filter,
No.	Special Instructions
103399	Be sure all power is disconnected from the system and water system is de-pressurized when
•	performing maintenance
2	Schedule this maintenance in conjunction with the maintenance on associated ozone
on-market one-construction	recirculation system and rainwater reuse system.
3	Refer to system manual for exact Preventative Maintenance Procedures.
4	If improperly used, pressure vessels may cause serious injury or death. Always wear proper
	protective clothing for the liquid being filtered. Check your MSDS sheets for instructions or
5	suggestions.
	Check the bag filter pressure drop meter while the system is operating.
6	If pressure drop is approaching the red zone (9-11 psid), then remove and replace bag filter(s)
No.	Check Points
1	Close inlet valve.
2	Open vent valve.
3	Open drain valve.
4	Loosen eye-nuts and disengage swing-bolts.
5	Open lid.
6	Remove bag hold-down.
7	Remove spent fifter hag.
8	Inspect lid o-ring to confirm that it is free of defects and/or debris. Replace if necessary.
9	Inspect lid o-ring groove to confirm that it is free of debris.
10	Install new bag filter. If using V-ring bag, snap into V-ring. If using S-ring, press into recess and
	replace bag hold-down.
	Close lid and engage swing bolts.
i 1	
	Alternately tighten eye-nuts until o-ring has been compressed. DO NOT OVERTIGHTEN
12	Alternately tighten eye-nuts until o-ring has been compressed. DO NOT OVERTIGHTEN Close outlet valve.
12	
12 13	Close outlet valve. Slowly open inlet valve to allow liquid to fill vessel.
12 13 14	Close outlet valve.  Slowly open inlet valve to allow liquid to fill vessel.  Open vent valve at top of vessel- leave open until steady stream of liquid is present.
12 13 14 15	Close outlet valve.  Slowly open inlet valve to allow liquid to fill vessel.  Open vent valve at top of vessel- leave open until steady stream of liquid is present.  Close vent valve.
11 12 13 14 15 16	Close outlet valve.  Slowly open inlet valve to allow liquid to fill vessel.  Open vent valve at top of vessel- leave open until steady stream of liquid is present.  Close vent valve.  Slowly open outlet valve.
12 13 14 15	Close outlet valve.  Slowly open inlet valve to allow liquid to fill vessel.  Open vent valve at top of vessel- leave open until steady stream of liquid is present.  Close vent valve.

Note: Old bag filters may be washed and re-used instead of replacing them. If washing of the filter bag is desired, rinse out the bag with water, turn the bag inside out, wash thoroughly with strong detergent and water. Allow to dry then turn the bag right side out for reuse

Cilove 25 Mi	s exon Bag Fifte
Mart 4-4-1-4	ialed Time to Perform:
Page	of
	Preventative Maintenance Guide Worksheet
	ral Services Administration Preventative Maintenance Guide NCR WPYE
	Gulde Number; (Determined and entered by WPYE)  NSL 17  Definition Number; (Determined and entered by WPYE)
Lilee	tive Date: (Determined and entered by WPYE) 12/22/2011 ment/Guide Name:
Ozona	e, Oxidizing-Reduction Potential (ORP) sensor
Semi	icney: annual
The C	<b>cation</b> BRP sensor is part of the Ozone Recirculation System for water treatment, commonly associated with rainwater ywater reuse systems.
The C	RP is a measurement of the reactive oxygen levels within the water,  RP sensor makes it possible automatically to control the ozone residual level (mV) and maintain effective but  vertond levels of ozone within the system.
No 1	Special Instructions  Be sure all power is disconnected from the system and water system is de-pressurized when performin maintenance
2	Schedule this maintenance in conjunction with the maintenance on associated ozone recirculation system and rainwater reuse system.
3	Refer to system manual for exact Preventative Maintenance Procedures, and location of ORP sensor.
No.	Check Points  Remove and clean the sensing surface of the ORP sensor. Use a soft cloth and soap and water for cleaning.
2	Replace the sensor if low or creatic ORP readings are observed.
nana menaranan	
Recor	 nmended Tools, Materials, and Equipment
	Toth, Soap, Water.
Estim	ated Time to Perform:
New F	Preventative Maintenance Guide Worksheet
	al Services Administration Preventative Maintenance Guide
PM G	uide Number: (Determined and entered by WPYE) NSL 18
	ID Pointer Number: (Determined and entered by WPYE) ive Date: (Determined and entered by WPYE) 12/22/2011
Equip	ment/Guide Name; , Generator
Frequ	ency:
Quarte Applic	
	zone Generator is part of the Ozone Recirculation System for water treatment, only associated with rainwater or greywater reuse systems. The Ozone Generator
	ts oxygen to Ozone to be mixed into water for purification.
No.	Special Instructions
1	Be sure all power is disconnected from the system and water system is de-pressurized when performing maintenance
2	Schedule this maintenance in conjunction with the maintenance on associated ozone
	recirculation system and rainwater reuse system.

	Refer to system manual for exact Preventative Maintenance Procedu	ires.	
No.	Cbeck Points  Remove and clean the air filters (screen filters) located under the ozone	generator enclosure,	
Recon	mended Tools, Materials, and Equipment		
Estim	ted Time to Perform:		
Genera GSA/N PM/G	reventative Maintenance Guide Worksheet  Il Services Administration Preventative Maintenance Guide  ICR – WPYE  III de Number: (Determined and entered by WPYE)  III Pointer Number: (Determined and entered by WPYE)	NSL 19	
Effecti Equipi	ve Date: (Determined and entered by WPYE) nent/Guide Name: Injector	12/22/2011	
treatme	ation ide card applies to an ozone injector which is part of the Ozone Recircula nt.	tion System for water	
	nmonly associated with rainwater or greywater reuse systems.  one Injector injects ozone from the ozone generator into water.		
No.	Special Instructions  Be sure all power is disconnected from the system and water system performing maintenance	-	
3	Schedule this maintenance in conjunction with the maintenance on a recirculation system and rainwater reuse system.  Refer to system manual for exact Preventative Maintenance Procedu "Dis-Assembly and Cleaning Procedure for Ozone Injector".		
No. 1 2 3	Check Points  Remove the tubing nut from the injector and remove the injector check valve (different from the ozone check valve).  Be careful not to lose the ball and spring from inside the check valve.  While injector check valve is removed inspect the injector inlet for a buildup of dirt or other		
4	residue.  Clean as required with a small bottlebrush or wire and warm soapy water	<i>'</i>	
	nended Tools, Materials, and Equipment ottlebrush/wire, soap/denatured alcohol.		
Estima	ed Time to Perform:		

New Preventative Maintenance Guide Worksheet
General Services Administration Preventative Maintenance Guide
GSA/NCR – WPYE